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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/807,634	04/16/2001	John Hugh Kerr	19345-86780	2321
28886	7590	10/18/2004	EXAMINER	
CLARK HILL, P.C. 500 WOODWARD AVENUE, SUITE 3500 DETROIT, MI 48226			WILLIAMS, ERIC M	
			ART UNIT	PAPER NUMBER
			3681	

DATE MAILED: 10/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
09/807,634	4/16/01	Kerr	19345 - 86780

EXAMINER

PANG

ART UNIT	PAPER NUMBER
3681	10-13-04

DATE MAILED:

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Commissioner of Patents and Trademarks

Attached

 Interview Summary Ex. Amendment

### **DETAILED ACTION**

The following action is in response to application 09/807,634.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robin Asher on October 7, 2004.

The application has been amended as follows:

The Abstract has been replaced with the following:

### **ABSTRACT**

An infinitely-variable transmission comprises a rotational input member, a rotational output member, first and second non-circular driving gears coupled to one of the rotational members, and a plurality of variable velocity-ratio gear assemblies disposed about the one rotational member. Each gear assembly comprises an intermediate shaft including first and second non-circular driven gears respectively meshing with the first and second non-circular driving gears. Each gear assembly also comprises a multi-directional coupling associated with the pair of first driven/driving gears and the pair of second driven/driving gears, and an actuator for coupling the first and second variable-ratio gear pairs to the rotational members. The transmission also includes a phase angle variator associated with the variable-ratio gear pairs for

Art Unit: 3681

varying the rotational angular displacement between the first gear pairs and the second gear pairs of each gear assembly so as to vary the velocity ratio of the transmission as needed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roger L Pang whose telephone number is 703-305-0445. The examiner can normally be reached on 5:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 703-308-0830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Roger L Pang  
Patent Examiner  
Art Unit 3681

October 13, 2004